

## Electronic Acknowledgement Receipt

<b>EFS ID:</b>	3478145
<b>Application Number:</b>	10521582
<b>International Application Number:</b>	
<b>Confirmation Number:</b>	4027
<b>Title of Invention:</b>	Frequency domain equalization in communications systems with scrambling
<b>First Named Inventor/Applicant Name:</b>	Shiquan Wu
<b>Customer Number:</b>	27160
<b>Filer:</b>	RICHARD P BAUER/Margaret Collard
<b>Filer Authorized By:</b>	RICHARD P BAUER
<b>Attorney Docket Number:</b>	213222.00098
<b>Receipt Date:</b>	18-JUN-2008
<b>Filing Date:</b>	18-JAN-2005
<b>Time Stamp:</b>	15:34:34
<b>Application Type:</b>	U.S. National Stage under 35 USC 371

### Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	\$ 180
RAM confirmation Number	960
Deposit Account	501710
Authorized User	ROSE,ALLEN

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

Charge any Additional Fees required under 37 C.F.R. Section 1.17 (Patent application and reexamination processing fees)

# File Listing:

Document Number	Document Description	File Name	File Size(Bytes) /Message Digest	Multi Part /.zip	Pages (if appl.)
1	Information Disclosure Statement Letter	IDS_Cover_Letter_213222_98.pdf	66162 047cd57410161d3028015710328542554ff0030	no	2
<b>Warnings:</b>					
<b>Information:</b>					
2	Information Disclosure Statement (IDS) Filed	IDS_Form_SB08A_213222_98.pdf	272315 943006a3a7e4f5c44d144c682b225763a3d1850db	no	4
<b>Warnings:</b>					
<b>Information:</b>					
This is not an USPTO supplied IDS fillable form					
3	Foreign Reference	FP1_EP1119146A2.pdf	1346134 900dc061127d38b0c391e1e567e73304975967	no	23
<b>Warnings:</b>					
<b>Information:</b>					
4	NPL Documents	NPLD3_International_Search_Report_PCTCA0301018.pdf	114363 0a0b9ee1d7039505b0a0a67e73b96c2bee45dc	no	3
<b>Warnings:</b>					
<b>Information:</b>					
5	NPL Documents	NPLD1_Falconer.pdf	939880 7a55574bc26039f555315cd9dbd0bb4f91d8620ac	no	8
<b>Warnings:</b>					
<b>Information:</b>					
6	NPL Documents	NPLD2_Muquet.pdf	659310 28043a007375029e0d1449cac053f40c7c459c2	no	4
<b>Warnings:</b>					
<b>Information:</b>					
7	Fee Worksheet (PTO-06)	fee-info.pdf	8221 0669fce1e45924eaf5d5de3d3757d43373b4255	no	2
<b>Warnings:</b>					
<b>Information:</b>					
<b>Total Files Size (in bytes):</b>			3406385		

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

**New Applications Under 35 U.S.C. 111**

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

**National Stage of an International Application under 35 U.S.C. 371**

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

**New International Application Filed with the USPTO as a Receiving Office**

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.